

VISITORS OCCUPY LOCAL PULPITS

Large Audiences in Attendance at Sunday Services of Memphis Churches.

Visiting ministers occupied a number of Memphis pulpits Sunday and in almost every instance were greeted with good audiences. The attendance at the union services of neighborhood churches was especially large.

On account of the illness of Dr. F. H. Cumming, pastor of Second Methodist church, the union service of the congregations of the Second Methodist church and the Linden Avenue Christian church was conducted Sunday evening by Rev. W. W. Ward of the Illinois conference, at the Linden Avenue church. Dr. Ward is the teacher of the Police Workers Bible class of the First Methodist church.

Rev. George W. Kemper, pastor of the McLemore Avenue Christian church, delivered the sermon at the union service of the McLemore Avenue Presbyterian, McLemore Avenue Christian and Washington Heights Methodist churches at the latter church Sunday evening. Dr. Kemper had just returned from his vacation in Kentucky, which he spent in conducting a very successful revival.

Dr. Ward also preached at the Washington Heights Methodist church at 11 a. m. Rev. B. Thomas occupied the pulpit at the morning hour. Rev. J. Q. Kline conducted the morning service at the Trinity Methodist church. Rev. B. B. Carter, presiding elder of the Shreveport, La., district, occupied the pulpit at the morning hour. Rev. W. L. Boone, pastor of the Central Baptist church, occupied the pulpit at the morning hour. Rev. W. L. Boone, pastor of the Central Baptist church, occupied the pulpit at the morning hour.

The open-air services of the Evergreen Presbyterian church on the church lawn, and of the First Presbyterian church at Court square, were largely attended Sunday night.

MOTOR STREET SWEEPERS WILL BEDISCONTI NUED

The motor-driven street sweepers in use in Memphis since prior to the assumption of office by the present city administration are to be abolished immediately and they will be replaced by horse-drawn street sweepers. W. B. Fowler, city engineer, announced Monday that the street sweepers were not owned by the city, but were rented at an annual cost of more than \$20,000, and their discontinuance was decided upon as soon as it was clearly demonstrated that their work was unsatisfactory.

It is the plan of the city to install motor-driven sweepers as soon as they can be delivered. Fowler stated, and in the meantime the city will put into service the old horse-drawn sweepers which were used in the past. After a careful study of the situation it was decided that the best method for street cleaning would be flushing and for this reason a decision was reached to discontinue the motor-driven sweepers.

Activities Among Memphis Negroes

By Rev. T. O. Fuller.

The sixteenth annual session of the Riverside Baptist Union association will be held with the Beale Avenue Baptist church, Rev. J. L. Lewis, pastor, beginning Monday night, Aug. 16. Rev. H. B. Roberts is moderator.

Dr. E. C. Morris, of Helena, Ark., addressed a large audience at Church's auditorium Sunday night under the auspices of the general association.

Persons expecting to attend the session of the national Baptist convention at Indianapolis, Sept. 6-13, should send their names to Rev. B. J. P. Westbrook, 520 West Michigan street, at once, so that assignment of homes may be made.

Attention is called to the mass meeting at Avery chapel, Monday night, Aug. 9. Everybody invited. Admission free.

A large number of the churches were closed Sunday on account of the union services at Church's auditorium. Rev. W. W. Whitton preached.

Rev. J. R. Glover went to Lucy, Tenn., Sunday morning to preach a funeral.

Delegates to the West Tennessee association will leave for Covington Tuesday morning from the Grand Central station.

Friends of Bishop L. H. Holsley, of Atlanta, Ga., senior bishop of the C. M. E. church, will regret to learn of his death, which has just occurred at his home.

L. C. Moore, prominent leader in lodge and church circles, has gone to off Springs, Ark., for a short period of rest and recuperation.

Charles "Swampback" Wilson has pushed his orphanage fund up to \$1,996. On his return from Union City he will resume his campaign.

The Alpha Reading circle will give its annual picnic at Hooper's grove, Friday, Aug. 20.

River Bulletin

Memphis, Tenn., Aug. 9, 1920.

	Flood	Stage	Ch. H.	Ch. L.
Pittsburgh, Pa.	22	8.6	9.3	8.0
Cincinnati, O.	50	10.4	9.9	10.4
Louisville, Ky.	28	8.9	9.0	8.0
Evansville, Ind.	25	6.8	6.2	10.0
Paducah, Ky.	42	8.2	8.0	8.0
Davenport, Ia.	35	8.0	8.1	11.8
Kansas City, Mo.	22	10.3	9.7	18
St. Louis, Mo.	30	9.7	9.6	26
Calo, Ill.	45	15.9	15.0	92
MEMPHIS	45	15.9	15.0	92
Helena, Ark.	42	15.2	14.8	86
Little Rock, Ark.	28	14	14.4	84
Vicksburg, Miss.	40	14.7	14.7	80
Shreveport, La.	29	9.6	9.0	80
New Orleans, La.	18	7.0	6.5	150

*Rise. —Fall.

THE MINISTERS continue to fail in this district for an indefinite period.

Domino Golden Syrup

Rich and Wholesome

American Sugar Refining Company

"Sweeten it with Domino"

Amusements

Loew's Lyceum.

Some Whiz bang is the drummer with Cabaret de Luxe featured act on the new bill at Loew's Lyceum, whose name is Eddie. Not since Handy brought his band here last winter has any jazz drummer showed up in Memphis the equal of Eddie. Eddie Richmond, cabaret entertainer, is at the head of the jazz. Singing songs late from the mills of the songwriters Miss Richmond, with wardrobe that looks like a prizefighter's, is an entirely satisfying person. However, there is Eddie. Eddie drums while three other jazz bandmen thump the piano, strum the banjo and draw a bow on the violin.

Cabaret de Luxe heads an unusually good musical bill, one that is full of song and chatter plus enough variety to make the offering an entirely satisfactory one.

Texas and Preston open with a clever tumbling and acrobatic act. Their hand-balancing is a feature. Song review stuff is given by Knox and Lillian, respectively. Fox and Hilly, by first names, and to the act is just the right amount of class. Knox uses a xylophone effect that should be given more prominence.

More singing and comedy come with Merrigan and Malone Howard. This team works in fast fly gags that are put across in excellent style. Gonna work by Miss Howard are a revelation. Fox and Mayo make good everything the press agent said about them. For a musical turn this one assembly gets the palm. Their opening bit is not only clever but decidedly distinctive.

"Joyous Troublemakers" featuring William Farnum is the screen attraction. It is a wild story of millions, love, hate and especially well act.

A Beautiful Spot.

East End Garden—with its jazz band, cool breezes, dancing floor and Samson's good Jullia Marlowe cigars.

HAL CHASE TRIES TO PITCH; GAME FORFEITED

SAN JOSE, Cal., Aug. 9.—Hal Chase attempted yesterday to pitch for the San Jose club in the Mission baseball league, against Hollister, and the umpire, acting upon orders of J. J. Nealon, league president, declared the game forfeited to the Hollister club. Nealon several days ago barred Chase from participating in games of the league.

United States Weather.

	Memphis, Tenn., Aug. 9, 1920.	F. m.	Low.	High.	P. m.
Atlanta	70	68	82	12	1.54
Birmingham	72	70	82	12	1.54
Cairo	70	68	82	12	1.54
Chattanooga	70	68	82	12	1.54
Chicago	72	70	84	10	1.54
Cincinnati	72	70	84	10	1.54
Denver	62	60	86	12	1.54
Detroit	70	70	84	10	1.54
El Paso	70	68	82	12	1.54
Galveston	70	68	82	12	1.54
Jacksonville	78	74	84	14	1.54
Kansas City	70	68	82	12	1.54
Knoxville	70	68	82	12	1.54
Little Rock	70	68	82	12	1.54
Louisville	70	68	82	12	1.54
Memphis	70	68	82	12	1.54
Montgomery	74	72	84	12	1.54
Nashville	70	68	82	12	1.54
New Orleans	76	72	82	1.00	1.54
Pensacola	78	74	84	1.30	1.54
Pittsburgh	72	70	86	10	1.54
San Antonio	72	70	82	12	1.54
San Francisco	54	52	62	10	1.54
Santa Fe	54	52	62	10	1.54
Shreveport	74	72	88	10	1.54
St. Louis	74	72	88	10	1.54
St. Paul	64	62	80	10	1.54
Tampa	78	72	88	10	1.54
Vicksburg	74	72	88	10	1.54
Washington	74	70	92	10	1.54

MEMPHIS PLANT IS BIGGEST IN SOUTH ALTHOUGH LITTLE KNOWN TO CITY RESIDENTS

BY C. U. McDOWELL.

Taking ordinary cordwood, scrub hardwood stripings or any hardwood lumber, then putting it through a process whereby menthyl alcohol, tar, oils and various other substances are removed and the final product marketed as charcoal is the program of one of Memphis' largest but probably least-known manufacturing plants.

This company, whose products are for consumption by Eastern concerns and for export almost exclusively, runs night and day and has won a national reputation. Its place is indicated by the fact that during the stress of wartime prohibition, it was the only plant which was operated continuously at capacity. The plant, known as the Forest Products Chemical company, is located between Chelsea and has an invested capital of more than \$400,000.

Wood distillation processes are little known in the South and the Memphis concern is the largest in the territory. There are several plants in the North, but none have been able to show a profit in the past.

The process by which the wood is turned into charcoal is a novel and interesting one. A novel to all except experienced chemists. Taking any of the hardwoods, oak and hickory, they are used for the greater part, the wood is dried or seasoned. When this is accomplished it is stacked in steel bins, each bin holding a truck. These bins are of four each are run into retorts or furnaces. Two cords are held in each longer. Here, sealed in an airtight compartment, they are baked and burned for 24 hours. When removed all that remains is the charcoal.

Smoke Is Condensed.

In the retort process the smoke that arises runs off a water-cooled chamber and copper conductors. In this way all condensable vapors and gases are driven into containers and pyroxylic acids retained.

As an example of the conservation of every useful by-product, the process brings the noncondensable gases into a container where it is fed automatically to ovens. These gases are sufficient to keep the fire going, the only other material used being a small fire to start.

After remaining in the retort, the wood, or rather charcoal, as it now is, is drawn out and placed in an airtight cooler, where it remains for 24 hours. From this it goes to a second cooler, then to a third and fourth. At the end of this it is cool enough not to catch fire when exposed to open air. Taken to sheds, it is sacked ready for shipment.

Pumped from the collecting tanks, the condensed liquid from the smoke is taken to settling tanks. Here the tar settles to the bottom, leaving the oil on top in a clear liquid form. The tar is carefully handled and under strict laboratory supervision. From it are removed various oils. The company is marketing eight lines, which with the exception of pitch, are all products. Lard oil is first removed from the distillation of the tar. These are chemically treated, further distilled and placed on the market for solvent purposes and are used in artificial leather and celluloid industries. An acid liquid is recovered during the tar distillation process which is used in the manufacture of an iron acetate or pyrolytic iron, a mordant used in dyeing. Lard oil is recovered during the tar distillation process which is used in the manufacture of an iron acetate or pyrolytic iron, a mordant used in dyeing. Lard oil is recovered during the tar distillation process which is used in the manufacture of an iron acetate or pyrolytic iron, a mordant used in dyeing.

Other oils, one especially which is being used extensively as a wood preservative, are produced. Many of the oils go into the manufacture of paints. The clear liquid left after the tar has been settled in boiled and recomposed, separating the soluble tars. The liquid then is placed in tanks containing water, the ingredients of menthyl alcohol and acetate acid. Milk of lime is stirred into this, by which process the different oils are separated.

The menthyl alcohol secured from the process is high grade and commands a high price. The other oils go to various other industries.

To a chemist the processes and different actions furnish a wealth of material for observation and study. For the layman, the plant is one gigantic puzzle and a source of wonderment how such products can be extracted from wood.

In the shipment of charcoal there is a peculiar twist. If charcoal is allowed to remain in the rain or to come in contact with water its chances to develop flames are increased a hundred fold. There is even danger of

flames several days after the water strikes the charred wood.

The pitch which is secured after the oils are removed is a very high-grade product and much sought after. It is a trical industries because of its low carbon content and its slight solubility in mineral oils together with its high dielectric strength. It is taking the place of high-priced gums for impregnation of transformer coils.

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Read News Scimitar Wants.

Theresa Blag, 39 years, 529 East Park avenue, is in the General Hospital as a result of drinking wood alcohol Monday. Hospital officials said that a treatment had been given the woman and her condition was not serious, though she was pretending unconsciousness.

Clifford Davis, secretary to Mayor Bowlett Paine, is discharging the duties of the mayor's office during the absence of the executive from the city. John B. Edgar, vice-mayor and commissioner of fire and police, is of course, at the head of the city government during the mayor's absence, but the greater part of the routine usually handled by the mayor has fallen upon his secretary.

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